Technical Challenge

Jnr. Front End Software Developer

Problem Description

For this challenge, we are looking for you to create a simple single page application using React for searching and visualising a list of employees & their roles.

Data

We're providing you with two mock data files:

- **Employees:** The people who work for the company;
- **Roles**: The roles of the employees within the company. Each employee will have a role_id which corresponds to a role.

Expectations on Implementation

Please aim to spend no more than a few hours on this exercise. As a guide we're looking for it to meet the following guidelines:

- The app should use the boilerplate supplied which includes React, Redux & Material UI - any library choices beyond this are up to you;
- The app should display a formatted list of all employees & their roles (data sourced from the employees in the mock data set);
- The app should include in the UI a text field that allows a user to search for an employee's name, id or role (e.g. present a list of all supervisors or developers) - we're looking for the results to be visually displayed in a way that would aid end users in understanding the information they're being presented with (note that the data set for roles includes background & textColors that could be used);
- Ideally the results would be sorted by the role then employee name;
- The ability to add a new employee through the UI that would be added to the Redux store & subsequently could be searched for.

If any of the requirements are unclear feel free to send through questions for clarification or make assumptions - we are not trying to test you on your knowledge of rostering.

While not required, if part of completing this challenge involves wireframing, paper prototyping, mockups or similar please add them to a folder in your repo.

On completion, if there are additional things you think you could have done better/did not have enough time to complete, feel free to compile a quick list and bring it to the technical interview to help remind yourself during the discussion.

Submission

To submit please either:

- Email us a zip file containing your solution.
- Share a GitHub repository containing your solution.

Please ensure your solution is accompanied by a README file containing clear instructions on how to run your solution and install any relevant dependencies.

Good luck! We look forward to seeing what you come up with.